

WHAT IS CLAIMED IS:

1. A method of treatment of cancer comprising therapeutically administering a reagent directed against the mts-1 protein.

2. The method of Claim 1 wherein said reagent comprises an antibody reactive with a mammalian mts-1 protein.

3. The method of Claim 2 wherein said antibody further comprises a toxin.

4. A method of treatment of cancer comprising therapeutically administering an oligonucleotide capable of binding to an mts-1 MRNA.

5. The method of Claim 4 wherein said oligonucleotide comprises at least 10 nucleotides of an antisense strand of SEQ ID NO:1 or SEQ ID NO:3.

6. The method of Claim 1 or 4 wherein said cancer is selected from the group consisting essentially of lung, liver, kidney, thyroid, breast, leukemic, pancreatic, endometrial, ovarian, cervical, skin, colon or lymphoid cancer.

7. A method of inactivating, destroying, or nullifying an mts-1 protein or cells expressing the mts1 protein comprising directing antibodies against said mts-1 protein.

8. The method of Claim 6 wherein said antibodies are unconjugated anti-mts-1 antibodies or anti-mts-1 antibodies conjugated to a toxin.

9. A method of inhibiting metastasis in a cancerous cell which comprises providing to said cancerous cell a nucleic acid encoding an antisense mts1 nucleotide sequence.

5 10. A method of inhibiting metastasis in a cancerous cell which comprises providing to said cancerous cell an expression vector comprising a nucleic acid encoding an antisense nucleotide sequence for a mammalian mts-I operably linked to a segment of said vector which can effect expression of an antisense mts-1 RNA.